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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/191,708	11/13/1998	BRIJ BHUSHAN GARG	L0012/7004	8933

26291 7590 04/25/2003

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EXAMINER

LY, ANH VU H

ART UNIT

PAPER NUMBER

2662

DATE MAILED: 04/25/2003

16

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/191,708	GARG ET AL. <i>h</i>	
Examiner	Art Unit		
Anh-Vu H Ly	2662		

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) Responsive to communication(s) filed on 19 November 2002.

2a) This action is **FINAL**. 2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) Claim(s) 1-22 is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) Claim(s) _____ is/are allowed.

6) Claim(s) 1-22 is/are rejected.

7) Claim(s) _____ is/are objected to.

8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

11) The proposed drawing correction filed on _____ is: a) approved b) disapproved by the Examiner.

If approved, corrected drawings are required in reply to this Office action.

12) The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) All b) Some * c) None of:

1. Certified copies of the priority documents have been received.

2. Certified copies of the priority documents have been received in Application No. _____.

3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).

a) The translation of the foreign language provisional application has been received.

15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

1) Notice of References Cited (PTO-892)

2) Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____.

4) Interview Summary (PTO-413) Paper No(s) _____.

5) Notice of Informal Patent Application (PTO-152)

6) Other: _____.

DETAILED ACTION

Response to Amendment

1. This communication is in response to applicant's amendment filed November 19, 2002.

Claims 1-22 are pending.

Claim Objections

2. Claims 14 and 15 are objected to under 37 CFR 1.75(c), as being of improper dependent form for failing to further limit the subject matter of a previous claim. Applicant is required to cancel the claim(s), or amend the claim(s) to place the claim(s) in proper dependent form, or rewrite the claim(s) in independent form.

Dependent claims 14 and 15 recite an apparatus performing the same function as in the dependent claims 9 and 10.

Claim Rejections - 35 USC § 112

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

3. Claims 1-15, 19, 21, and 22 rejected under 35 U.S.C. 112, first paragraph, as containing subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention.

Claims 1, 5, 6, 11, 16 and 20 recite an apparatus and method of conveying any selected input bit pack to any output data position. The disclosure as originally filed does not teach this feature.

Claims 2-4, 7-10, 12-15, 17-19 and 21-22 are rejected upon the rejection of independent claims 1, 6, 11, 16, and 20.

Response to Arguments

4. Applicant's argument filed on November 19, 2002 did not address the issue nor either amend the claims to overcome the rejection of 35 U.S.C. 112, First Paragraph, raised by the examiner in the Office Action dated July 02, 2002, in regarding to the subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the art at the time the application was filed, had possession of the claimed invention

Conclusion

5. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Crossland et al (U.S. Patent No. 5,576,873) disclose a telecommunication switch architecture.

Pawelski (U.S. Patent No. 5,351,236) discloses a multirate, SONET-ready, switching arrangements.

Upp et al (U.S. Patent No. 4,967,405) disclose system for cross-connecting high speed digital SONET signals.

Boxall (U.S. Patent No. 4,804,956) discloses rearrangeable digital signal space division switching system.

Pawelski (U.S. Patent No. 5,430,716) discloses path hunt for efficient broadcast and multicast connections in multi-stage switching fabrics.

Romiti et al (U.S. Patent No. 5,784,369) disclose methods and system for switching time-division-multiplexed digital signals of different rates.

Irwin et al (U.S. Patent No. 5,841,771) disclose telecommunications switch apparatus and method for time switching.

Williams et al (U.S. Patent No. 6,125,406) disclose bi-directional packing data device enabling forward/reverse bit sequences with two output choices.

Lee (US Patent No. 6,335,930) discloses multi-stage interconnection network for high speed packet switching.

Bortolini et al (US Patent No. 6,064,669) disclose bit sliced digital cross connect switching system.

Nojima, Satoshi et al "Integrated Services Packet Network Using Bus Matrix" IEEE
Journal on Selected Areas in Communications, Vol. 5, No. 8, October 1987.

Kagawa (US Patent No. 5,189,666) disclose bit-slice asynchronous transfer mode
switching system.

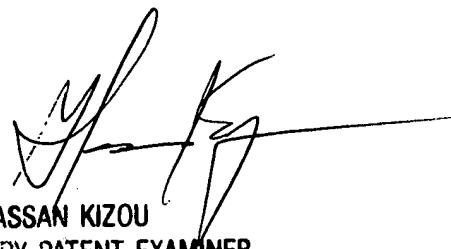
Murase et al (US Patent No. 5,832,303) disclose large scale interconnecting switch using
communication controller groups with multiple input-to-one output signal lines and adaptable
crossbar unit using plurality of selectors.

Any inquiry concerning this communication or earlier communications from the
examiner should be directed to Anh-Vu H Ly whose telephone number is 703-306-5675. The
examiner can normally be reached on Monday-Friday 7:00am - 4:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's
supervisor, Hassan Kizou can be reached on 703-305-4744. The fax phone numbers for the
organization where this application or proceeding is assigned are 703-872-9314 for regular
communications and 703-872-9314 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding
should be directed to the receptionist whose telephone number is 703-305-4750.

av
April 18, 2003



HASSAN KIZOU
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600